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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of  
**Peele**

Serial No. 09/317,480

Filed: 5/24/99

For: **Dynamic Channel Allocation in a**

**Sectored Cell of a Cellular**

**Communication System**

Patent Examiner: Lockett, E.  
Art Unit: 2681

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Attorney's Docket No. P-4015.279

Raleigh, North Carolina

March 22, 2001

BOX Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

**Response to Office Action of February 28, 2001**

The Official Office Action dated February 28, 2001, has been carefully considered. In light thereof, Applicants submit the following remarks.

**Remarks**

The present invention comprises the dynamic allocation of channels within a sectored cell of a cellular communication network. Available channels are allocated in groups to particular cells based on any of a number of frequency reuse patterns. Each cell is divided into sectors, and the channels assigned to a cell are allocated in subgroups to the sectors. A controller local to each base station monitors the use of channels within cell sectors, and dynamically re-allocates one or more channels to a

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